To: Flowers, Lynn[Flowers.Lynn@epa.gov]; Cogliano, Vincent[cogliano.vincent@epa.gov]; Shannon, Teresa[Shannon.Teresa@epa.gov] Cc: Sayles, Gregory[Sayles.Gregory@epa.gov]; Garrahan, Kevin[Garrahan.Kevin@epa.gov]; Olden, Kenneth[Olden.Kenneth@epa.gov]; Ross, Mary[Ross.Mary@epa.gov] From: Koglin, Eric Sent: Wed 8/12/2015 1:05:27 PM
Subject: RE: Screening levels for recreational receptors at the Gold King Mine Site
Lynn
Great!
Thanks for stepping up so quickly. Kevin should be at the ORD Desk in the EOC. He can be reached at 202-250-8924. He is also monitoring his email.
Regards,
regards,
Eric
From: Flowers, Lynn Sent: Wednesday, August 12, 2015 5:11 AM To: Koglin, Eric; Cogliano, Vincent; Shannon, Teresa Cc: Sayles, Gregory; Garrahan, Kevin; Olden, Kenneth; Ross, Mary Subject: RE: Screening levels for recreational receptors at the Gold King Mine Site
Eric et al:
• □ □ □ □ □ □ □ I looked through the screening level information for the inorganics that have been found in the spill and nothing jumps out as incorrect. However, there doesn't appear to be a dermal component for exposure to the surface water, which one would encounter on the way to the sediment and perhaps to get the water to drink. The write up is silent on that issue and should probably mention that it is missing, and how much of an impact it might have on the screening levelsor else include dermal exposure in the calcuations.

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•□□□□□□□□ In reality, this analysis (with the exception of the dermal component) is pretty close to what you would also do if the water were a source of water for drinking/showering/bathing for the surrounding communities (as the hiker/camper is using the water as sole source drinking water). Including the normal showering component for inhalation probably would NOT change the screening levels much, because the inorganics are largely not volatile. Again, I am not sure about the dermal exposure and how much that would contribute.
•□□□□□□□□ It might not be a bad idea to include how these screening levels might align with the "community drinking water scenario" in the write up—assuming Region 8 would agree! Again, just an observation and potential suggestion for them.
We have a couple of folks here who could double-check the input parameters, toxicity values and final screening levels if you would like a second set of eyes on the details. And also think more (than I know) about the dermal issue.
I will call Kevin now.
Lynn
Lynn Flowers, PhD, DABT
Associate Director for Health
National Center for Environmental Assessment

US EPA

Washington, DC

703-347-8537

From: Koglin, Eric

Sent: Tuesday, August 11, 2015 7:36 PM

To: Flowers, Lynn; Cogliano, Vincent; Shannon, Teresa

Cc: Sayles, Gregory; Garrahan, Kevin; Olden, Kenneth; Ross, Mary

Subject: Screening levels for recreational receptors at the Gold King Mine Site

All

I'm helping to coordinate ORD's reachback support to the Gold King Mine release. The Regions are pulling together a lot of data and information. The attached is a draft document developed by Region 8 that provides screening levels that they want to use for recreational receptors for the Animas and San Juan River users.

I would appreciate it if you could take a quick look at the information in the attached to see if anything jumps out at you. ORD did not receive this document until after review comments were due at 1900 EST today, but I think it's important for our ORD experts to take a look just in case something was missed.

Hopefully you'll be able to find a few minutes to look this over first thing in your morning or if you think there is someone else that should be contacted.

Please contact Kevin Garrahan at 202-250-8924 (ORD Desk in the EOC) or me as soon as you can tomorrow.

I apologize for the rush.

Eric

Eric Koglin

USEPA

NHSRC

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513-288-5497 (c)